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Correction to: Ni Flower/MXene-Melamine Foam Derived 3D Magnetic/Conductive Networks for Ultra-Efficient Microwave Absorption and Infrared Stealth

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Correction to: Nano-Micro Lett. (2022) 14:63
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The original version of this article unfortunately contained some mistakes. The corrections are updated as follows:

Error 1:

We found that Equations 3, 4 and 6 were wrong in the published paper:

$$RL = 20\left|\frac{Z_{in} - Z_0}{Z_{in}+_{Z_0}}\right| \quad (3)$$

$$Z_{in} = Z_0\sqrt{\frac{r}{r}}\tanh\left(j\frac{2\pi fd}{c}\sqrt{rr}\right) \quad (4)$$

$$\frac{Z_{in}}{Z_0} = \sqrt{\frac{r}{r}}\tanh\left(j\frac{2\pi fd}{c}\sqrt{rr}\right) \quad (6)$$

It should be corrected to the following formula

$$RL = 20\log\left|\frac{Z_{in} - Z_0}{Z_{in} + Z_0}\right| \quad (3)$$

$$Z_{in} = Z_0\sqrt{\frac{\mu_r}{\varepsilon_r}}\tanh\left(j\frac{2\pi fd}{c}\sqrt{\mu_r\varepsilon_r}\right) \quad (4)$$

$$\frac{Z_{in}}{Z_0} = \sqrt{\frac{\mu_r}{\varepsilon_r}}\tanh\left(j\frac{2\pi fd}{c}\sqrt{\mu_r\varepsilon_r}\right) \quad (6)$$

Error 2:

In the page 7, "Since N Ni/MXene-MF possessed numerous heterogeneous interfaces and abundant functional groups, the dielectric loss mechanism was explored."

Should be:

"Since Ni/MXene-MF possessed numerous heterogeneous interfaces and abundant functional groups, the dielectric loss mechanism was explored."

Error 3:

In the page 8, "In particular, a strong RLmin of 62.7 dB with the EAB of 6.24 GHz at the ultrathin thickness of 2 mm."

Should be:

In the page 8, "In particular, a strong RL_{min} of − 62.7 dB with the EAB of 6.24 GHz at the ultrathin thickness of 2 mm."

Error 4:

In the page 8, "Here, the impedance matching was evaluated by introducing the $|Z_{in}/Z_0|$ value, which can be calculated based on Eq. 5"; and, in the page 9, "Based on Eq. 4".

Should be:

"Here, the impedance matching was evaluated by introducing the $|Z_{in}/Z_0|$ value, which can be calculated based on Eq. 6"; and "Based on Eq. 7".

The original article can be found online at https://doi.org/10.1007/s40820-022-00812-w.

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